

# EMMERT UNIVERSAL PATTERN MAKERS' VISES

**NORMAL POSITION OF VISE ON BENCH  
WITH JAW AT AN ANGLE FOR  
TAPERED WORK**

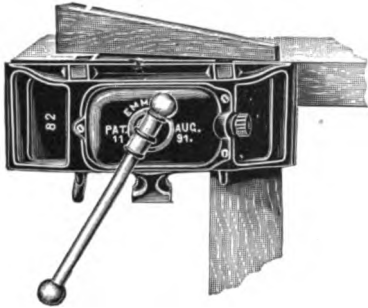


Fig. 4623A

**VISE REVERSED TO HOLD WORK ABOVE  
THE BENCH**

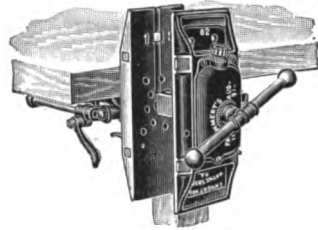


Fig. 4623B

Number.....	1	2
Size of Jaw.....inches	7 x 18½	5 x 14
Opens....."	14	12
Weight.....pounds	86	56
Price.....each	15.00	12.50

The Emmert Universal Pattern Makers' Vise has six pairs of jaws, so that it is adapted to grasp any kind of work without regard to irregularity of form. The Emmert Universal Tool Makers' and Metal Workers' Vise is so constructed as to be used in any conceivable position. It is supplied with one set of grooved jaws to hold all classes of round work, one set of jaws which will hold any class of taper work, one set to hold copper work, and one set to hold any size ring. It is also supplied with a rough jaw for cast-iron work, with one smooth jaw for finished work.

## EMMERT UNIVERSAL MACHINISTS' VISES

**VISE IN ITS NATURAL POSITION FOR  
HANDLING ROUGH CASTINGS**

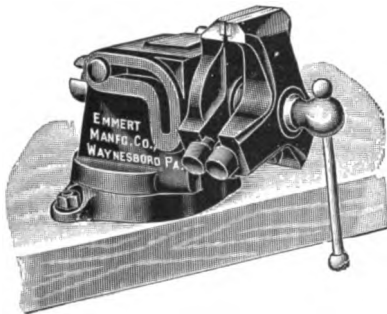


Fig. 4623C

**VISE AT ANGLE TO BRING WORK TO A  
POSITION TO BE WORKED ON WITH  
CONVENIENCE TO THE WORKMAN**

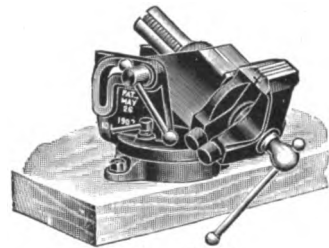


Fig. 4623D

Number .....	4A	5A	6A	10A
Size of Jaw .....	4	2	3	6
Opens....."	6	3¾	5	9
Weight.....pounds	100	12	55	230
Price .....	12.50	7.00	10.00	22.50